

Appendix A -[www.techfest.com/networking/cabling/cableglos.htm](http://www.techfest.com/networking/cabling/cableglos.htm)T

T1

T1 is a 1.544 Mbps multichannel digital transmission system for voice or data provided by long distance carriers. Also referred to as DS1 (Data Services).

T3

T3 is a 44.736 Mbps multichannel digital transmission system for voice or data provided by long distance carriers. Also referred to as DS3 (Data Services).

Tap

On Ethernet 10Base5 thick coaxial cable, a tap is a method of connecting a transceiver to the cable by drilling a hole in the cable, inserting a contact to the center conductor, and clamping the transceiver onto the cable at the tap.

TC

Telecommunications Cross Connect.

TDR

See Time Domain Reflectometry

Teflon

Dupont Company trademark for fluorocarbon resins (see FEP and TFE).

Telecommunications Closet

see Closet

## Transceiver

A combination of the words TRANSMITTER and RECEIVER. A transceiver is the set of electronics that send and receive signals on the Ethernet media system. Transceivers may be small outboard devices, or may be built into an Ethernet port. Also called Media Attachment Unit, or MAU.

Tracer

The contrasting color coding stripe along an insulated conductor of a wire pair.

Transducer

A device for converting mechanical energy into electrical energy.

Transfer Impedance

For a specified cable length, transfer impedance relates to a current on one surface of a shield to the voltage drop generated by this current on the opposite surface of the shield. Transfer impedance is used to determine shield effectiveness against both ingress and egress of interfering signals. Shields with lower transfer impedance are more effective than shields with higher transfer impedance.

Transmission Line

An arrangement of two or more conductors or a wave guide used to transfer a signal from one location to another.

Transmission Media

Anything such as wire, coaxial cable, fiber optics, air or vacuum, that is used to carry a signal.